CLAIMS:

1. A method for tracking movement of objects in a plurality of video images, wherein the video images correspond to different scenes in a physical environment, the method comprising the steps of:
   (a) identifying a first path taken by an object in a first video image;
   (b) identifying a second path taken by an object in a second video image;
   (c) determining whether the first path and the second path are associated with the same object; and
   (d) responsive to a determination that the first path and the second path are associated with the same object, constructing an overall path for the object.

2. The method of claim 1, wherein the first video image is generated by a video camera.

3. The method of claim 1, wherein the second video image is generated by a video camera.

4. A system for tracking movement of objects in a plurality of video images, wherein the video images correspond to different scenes in a physical environment, the system comprising:
   (a) means for identifying a first path taken by an object in a first video image;
   (b) means for identifying a second path taken by an object in a second video image;
   (c) means for determining whether the first path and the second path are associated with the same object; and

(d) means, responsive to a determination that the first path and the second path are associated with the same object, for constructing an overall path for the object.

5. The system of claim 4, wherein the first video image is generated by a video camera.

6. The system of claim 4, wherein the second video image is generated by a video camera.